

Title (en)  
Annular disc

Title (de)  
Ringscheibe

Title (fr)  
Meule annulaire

Publication  
**EP 2977140 A1 20160127 (DE)**

Application  
**EP 14178026 A 20140722**

Priority  
EP 14178026 A 20140722

Abstract (en)  
[origin: WO2016012492A1] The invention relates to an annular disk made of a bent metal strip and having at least one connecting point at which the ring is closed.

Abstract (de)  
Die Erfindung betrifft eine Ringscheibe aus gebogenem Metallband mit mindestens einer Verbindungsstelle, an der der Ring geschlossen ist.

IPC 8 full level  
**B23K 35/30** (2006.01); **B21C 1/00** (2006.01); **B21C 37/02** (2006.01); **B21C 37/06** (2006.01); **B21C 37/08** (2006.01); **B21C 37/26** (2006.01); **B21D 53/16** (2006.01); **B21D 53/20** (2006.01); **B23K 35/02** (2006.01); **C22C 5/06** (2006.01); **C22C 5/08** (2006.01); **C22C 9/00** (2006.01)

CPC (source: EP)  
**B21D 53/16** (2013.01); **B21D 53/20** (2013.01); **B21F 3/04** (2013.01); **B21F 37/00** (2013.01); **B23K 35/0233** (2013.01); **B23K 35/3006** (2013.01); **B23K 35/302** (2013.01); **C22C 5/06** (2013.01); **C22C 5/08** (2013.01); **C22C 9/00** (2013.01); **C22C 30/02** (2013.01)

Citation (search report)

- [E] EP 2756914 A1 20140723 - UMICORE AG & CO KG [DE], et al
- [IA] DE 102004040311 A1 20060524 - UMICORE AG & CO KG [DE], et al
- [A] DE 19629375 A1 19980122 - DEGUSSA [DE]
- [A] DE 102004040779 A1 20060309 - UMICORE AG & CO KG [DE], et al
- [A] CH 412599 A 19660430 - FIRESTONE TIRE & RUBBER CO [US]

Cited by  
CN108179472A

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

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